UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,314	02/28/2002	Stephen C. Talley	6502.0395	6854

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EXAMINER
HANNE, SARA M

ART UNIT	PAPER NUMBER
2179	

DATE MAILED: 05/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
	10/084,314	TALLEY ET AL.
Office Action Summary	Examiner	Art Unit	
	Sara M. Hanne	2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>27 February 2006</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-25</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-25</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to the amendment received on February 27, 2006.

Claims 1-25 are pending in the application.

Claim Rejections - 35 USC § 103

2.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

3.   This application currently names joint inventors. In considering patentability of

the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of

the various claims was commonly owned at the time any inventions covered therein

were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to

consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g)

prior art under 35 U.S.C. 103(a).

4.   Claims 1-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Crovetto et al., US Patent 6570491, hereinafter Crovetto, and further in view of

Hetherington et al., US Patent 6396515, hereinafter Hetherington.

As per Claims 1, 9, 14, 15, 18 and 22, Crovetto teaches a method comprising

using a resource string to retrieve data (directives or commands 37), the data containing

a parameter associated with an element of the user interface ("a directive or command

template containing the operational parameters corresponding to the selected directive

35", Column 5, lines 62-64), the parameter being integrated into a syntactical structure

associated with the data ("the visual syntax builder 3 can cause the formatting of the

specified directive or command and corresponding operational parameters into a

command string 5", Column 4, lines 65-67), replacing the resource string with the

retrieved data (Column 5, lines 35-65), obtaining the user interface element (Column 6,

lines 11-16), replacing the parameter with the element (Column 6, lines 16-23), and

outputting the data (Column 6, lines 24-29). While Crovetto teaches this said interface

method, they fail to show the automatic generation of corresponding locale user layout

from multiple existing locales as recited in the claims. In the same field of the invention,

Hetherington teaches generating a user interface layout with resource strings, and

parameters similar to that of Crovetto. In addition, Hetherington further teaches

automatically generating a user interface layout corresponding to a locale (Col. 5, lines

1-2) using data containing a parameter existing in multiple locales (multilingual)

associated with the user interface (abstract and Col. 5, line 1 et seq.) the parameter

integrated into the structure corresponding to the locale (Col. 5, lines 1-12). It would

have been obvious to one of ordinary skill in the art, having the teachings of Crovetto

and Hetherington before him at the time the invention was made, to modify the user

interface taught by Crovetto to include the automatic interface layout generation in a

language appropriate for the user according to their locale of Hetherington, in order to obtain a system for presenting text and GUI components automatically that have been replaced by data retrieved. One would have been motivated to make such a combination because a more conventional language adaptable interface system would have been obtained, as taught by Hetherington (Col. 1, line 32-Col. 2, line 19).

As per Claims 2, 10, 12, 19 and 23, Crovetto teaches the user interface is a graphical user interface, and the obtaining step involves obtaining a graphical user interface component ("text fields 43, drop down boxes 47 and slider controls 45", Column 6, lines 15-16).

As per Claims 3, 16 and 24, Crovetto teaches the resource string to retrieve the data involves using the resource string as a key to retrieve the data from a database (resource string is a pointer to the location of the data within the database and can be thought of as a key in that respect).

As per Claims 4, 13, 21 and 25, Crovetto teaches obtaining involving creating the user interface element (creates elements from the list, Column 6, lines 1-24).

As per Claim 11, Crovetto teaches the data element is a textual message ("each user interface element 49 can include a label 41 identifying the operational parameter", Column 6, lines 16-17).

As per Claim 17, Crovetto teaches the database remotely located from the computer system (Figure 1 and the claims).

As per Claims 5 and 20, Crovetto teaches a computer system having a user and a graphical user interface containing a resource string, data containing a parameter

associated with a component of the user interface, the parameter being integrated into a

syntactical structure associated with the data, replacing the resource string with the

data; obtaining the component of the user interface, replacing the parameter with the

component, and outputting the data (See rejection of Claim 1 *supra*). While Crovetto

teaches this said interface method, they fail to show the locale identification by the

resource string, layout generation corresponding to a locale from multiple locales and

dynamic output as recited in the claims. In the same field of the invention, Hetherington

teaches a user interface with resource strings, and parameters similar to that of

Crovetto. In addition, Hetherington further teaches generating a user interface,

identifying a corresponding locale associated with the user or the computer system

(abstract and Col. 5, line 1-10), using the resource string to retrieve data associated

with the user's locale from multiple locales (Col. 5, line 1 et seq.) and dynamic output of

data consistent with the locale (Col. 2, line 43 et seq.). It would have been obvious to

one of ordinary skill in the art, having the teachings of Crovetto and Hetherington before

him at the time the invention was made, to modify the user interface taught by Crovetto

to include the locale association of Hetherington, in order to obtain a system for

presenting text and GUI components in a language appropriate for the user according to

their locale. One would have been motivated to make such a combination because a

more conventional language adaptable interface system would have been obtained, as

taught by Hetherington (Col. 1, line 32-Col. 2, line 19).

As per Claim 6, Crovetto teaches the resource string to retrieve the data involves

using the resource string as a key to retrieve the data from a database (resource string

is a pointer to the location of the data within the database and can be thought of as a

key in that respect).

As per Claim 7, Crovetto teaches creating the user interface element (creates

elements from the list, Column 6, lines 1-24).

As per Claim 8, While Crovetto teaches this said interface method, they fail to

show the locale identification by the user query and resource string as recited in the

claims. In the same field of the invention, Hetherington teaches a user interface with

resource strings, and parameters similar to that of Crovetto. In addition, Hetherington

further teaches allowing the user to input a query via an input device, wherein the

retrieving step is performed in response to the query (Column 5, lines 5 et seq.). It

would have been obvious to one of ordinary skill in the art, having the teachings of

Crovetto and Hetherington before him at the time the invention was made, to modify the

user interface taught by Crovetto to include the user query locale association of

Hetherington, in order to obtain a user input language designated system for presenting

text and GUI components according to the user's locale. One would have been

motivated to make such a combination because a user-friendly input method interface

would have been obtained, as taught by Hetherington.

Response to Arguments

Applicant's arguments filed 2/27/06 have been fully considered but they are not persuasive.

In response to the applicant's arguments regarding the written description and enablement rejection of Claim 8, the examiner agrees, and has dropped the rejection.

In response to the applicant's arguments regarding the insertion of "corresponding to a locale" and "existing in multiple locales", the examiner disagrees. This limitation is clearly taught by Hetherington (Col. 5) where a "regional setting" equivalent to a "locale" from multiple locales is determined. Furthermore even if it was not taught by the Hetherington reference cited above, Col. 1, lines 15-20 incorporates by reference a copending application by Hetherington entitled "Method, system, and data structure for splitting language and locale properties in a data processing system" which explicitly illustrates locale interface layout determination.

In response to applicant's argument that Crovetto fails to show the claimed limitations of Claim 1, the examiner disagrees. Crovetto teaches a specified command string (Col. 3, lines 1-39) used to conform a GUI element. While they do not state that it is conformed according to a selected locale, it does state the basic structure of the claim. Hetherington teaches an improvement upon the dynamic GUI element generation by incorporating locale selection as the determinate for how to conform the GUI element as seen in the paragraph above so that the language of a interface may be altered dependent upon a user's location.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.
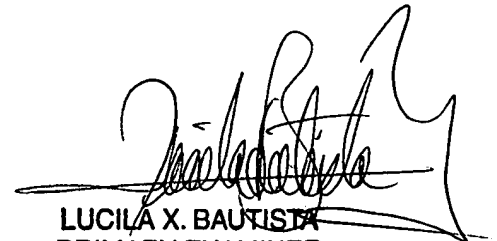
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sara M. Hanne whose telephone number is (571) 272-4135. The examiner can normally be reached on M-F 7:30am-4:00pm, off on alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WEILUN LO can be reached on (571) 272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Smh

LUCILA X. BAUTISTA
PRIMARY EXAMINER